Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/22/2021 09:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124740	-1	1.09	124625	1.10
Blue	F	SSC	125000	124039	-1	2.25	124342	2.17
Blue	E	FITC	13131	12753	-3	2.12	294	14.90
Blue	D	PE	24112	23822	-2	1.54	547	10.32
Blue	B	PerCP-Cy5-5	31295	30724	-2	2.83	1017	13.78
Blue	A	PE-Cy7	19939	19823	-1	4.87	529	28.07
Red	C	APC	42122	41428	-2	2.96	1736	11.16
Red	A	APC-Cy7	22340	21518	-4	3.23	804	11.49
Violet	B	V450	7410	7076	-5	3.10	430	11.93
Violet	A	V500	28118	26943	-5	2.64	672	9.03

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23197	0.98	555	-14	N/A	N/A	Pass
Blue	F	SSC	57860	1.00	510	-2	N/A	N/A	Pass
Blue	E	FITC	53	54.62	479	-8	0.0482	149	Pass
Blue	D	PE	115	34.35	481	-7	0.4230	242	Pass
Blue	B	PerCP-Cy5-5	190	32.95	577	-9	0.0219	18	Pass
Blue	A	PE-Cy7	107	62.43	619	-9	0.0231	0	Pass
Red	C	APC	404	22.84	573	-3	0.0289	126	Pass
Red	A	APC-Cy7	179	26.22	546	-5	0.0063	525	Pass
Violet	B	V450	60	58.79	452	-1	0.0627	1908	Pass
Violet	A	V500	97	31.88	464	-1	0.0316	846	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.73	-31.52	1.05
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.41
Red	17.01	13.60 - 20.40	N/A	N/A	30.13	30.33	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 15636

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments